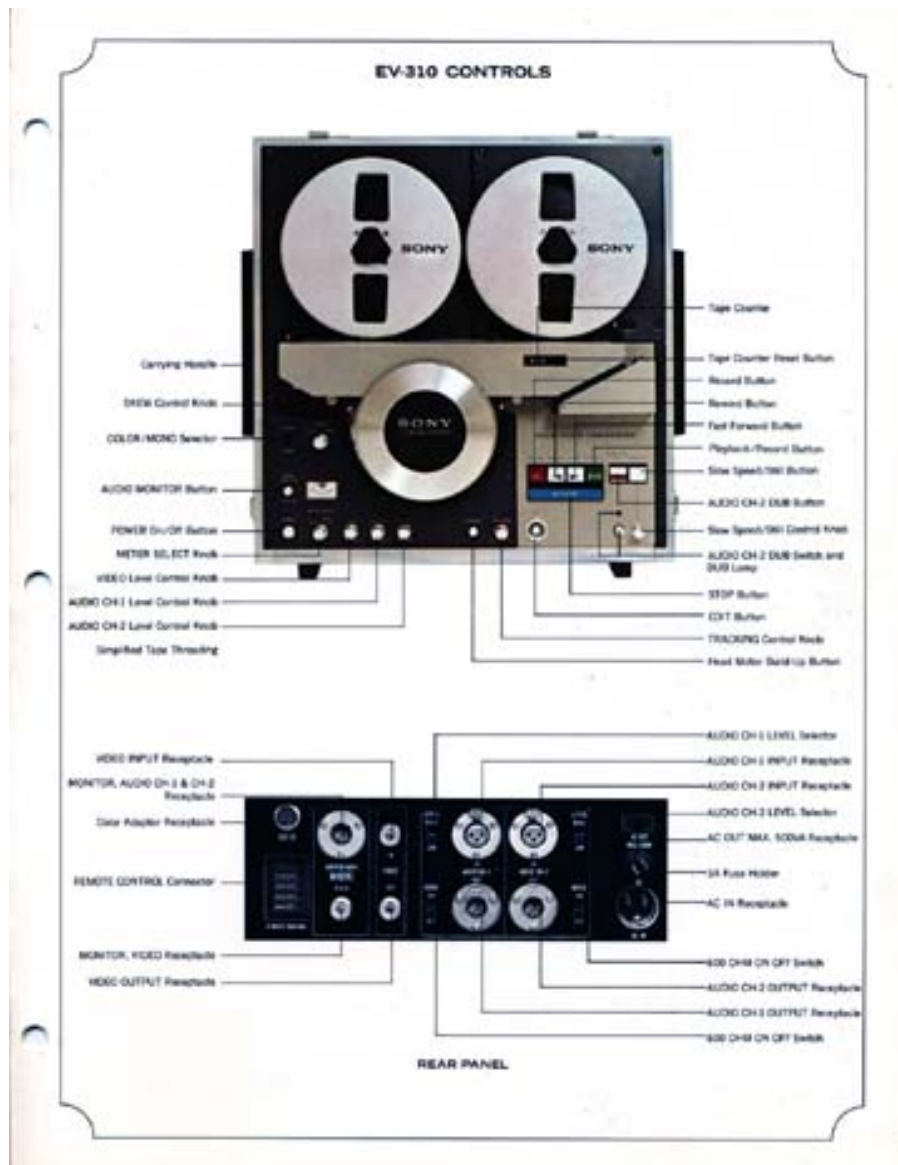


Sony Videocorder EV-310

From the product literature



The EV-310 is Sony's latest addition to its famous field-proved EV series of Videocorders. Compact and portable, the EV-310 permits professional video tape recording of a wide variety of applications, in either full NTSC color or monochrome. The EV-310 uses one-inch video tape and conforms to standard EIA TV signal requirements. Any composite TV signal with 60 fields per second, including random interlace signals, can be recorded and played back with high resolution and excellent quality. Playing time is 60 minutes on a 2,460-foot reel of tape. Sony guarantees 100 tape inter-changeability between all EV Series Videocorders. The EV-310 features two-channel audio, editing and slow motion and stop action in the playback mode. The playback picture is continuously variable from still frame to less than one-fifth of normal speed. Audio can be dubbed on channel 2, without erasing previously recorded video. Automatic shut-

off occurs when the tape reaches the end of the reel and a manual track-ing feature permits any necessary adjustment to assure the optimum picture in the playback mode. Whatever your application . . . education or industrial training, in school, shop, factory or virtually any location . . . this ultra-reliable, easy-to-operate system puts you far beyond any other one-inch format VTR available, anywhere.

VIDEOCODER MODEL. EV-310 SPECIFICATIONS



GENERAL

Power Voltage: 117V plus/minus 5V Hz

Power Frequency: 60 Hz plus/minus 0.5

Power Consumption: 150 VA. max.

Ambient Temperature: 23 degrees F-113 F (storage) 41 degrees F-104 F (operating)

Recording Video Signal: EIA standard, or 60 Hz field frequency, 2:1 or random interlaced, composite video signal, NTSC color signal

Video Recording System: Rotary 2-head scan system; frequency modulation; no bias saturation recording system

Tape Interchangeability: Can play back tapes recorded by all EV Series Videocorders

Modular Construction: Solid state

Cabinet: Housed in portable metal cabinet with dust cover and carrying handles

Number of Heads: Video (record/playback) 2; Audio Channel 1 (record/ playback) 1; Audio Channel 2 (record/playback) 1; Control Track (record/playback) 1; Erase (complete tape width or Audio Channel 2 track only)

Video Head Life 1 500 hours warranty

Operating Position Vertical or horizontal

VIDEO SIGNALS

Input: Composite video signal (sync negative) 0.5V - 2.0V p-p, 75 ohms, unbalanced

Output: Composite video signal (sync negative) 1.0V p-p, 75 ohms unbalanced

Horizontal Resolution: Monochrome: more than 300 lines (RETMA Chart); Color: more than 240 lines

Signal-to-Noise Ratio: Better than 40 Db

AUDIO SIGNALS

Input Signal: Low level (microphone): - 70 dB, 600 ohms, balanced (0 dB = 0.775V): High level (Line): +4 dB, 10K ohms balanced

Output Signal: Line out: +4 dB, 600 ohm load, balanced; monitor: +4 dB, 10K ohm load, balanced

Frequency Response: 50 Hz +1 \pm 6 dB: 100 ~ 5KHz plus/minus 1 dB, 12KHz +1 \pm 6 dB

Signal-to-Noise Ratio: Better than 50 dB at 3% distortion level with NAB weighted curve

TAPE TRANSPORT

Tape Speed: 7.8 ips plus/minus 0.3%

Recording Time: 60 minutes with 2,460 ft. tape

Rewind/Fast Forward Time: Within 4 minutes with 2,460 ft. tape

Wow and Flutter: Within 0.15 % wrms (NAB weighted)

Reel: Sony reel Model R1.8V or RI-8VP

Tape: Sony video tape Type V-II-A or equivalent

SPECIAL FEATURES

Slow and Still: Playback speed is continuously variable from stop action to less than one-fifth of normal speed

Tracking Control: Adjustable plus/minus 30 % of rotary video head track

Audio 2 Dubbing: Audio Channel 2 can be used to dub (record) audio information at a later time without erasing or disturbing the previously recorded picture

DIMENSIONS AND WEIGHT

Dimensions: 18 1/2" (W) x 10 1/2" (H) x 19 1/2" (D)

Weight: 77 lbs.

MONITOR

Video Monitor: One of the two video outputs may be used

Audio Monitor: Either Audio CH 1 or Audio CH 2 may be selected; 10K ohm balanced load

STANDARD ACCESSORIES

Video Tape, Sony V-II-A

Empty reel, RI-8V

AC power cord

Accessory bag

Reel retaining knobs

Operation manual

Cleaning set

Splicing tape

OPTIONAL ACCESSORIES

Color pack CLP-1B

Remote control EVR-310

Rack mounting metal RMM-2